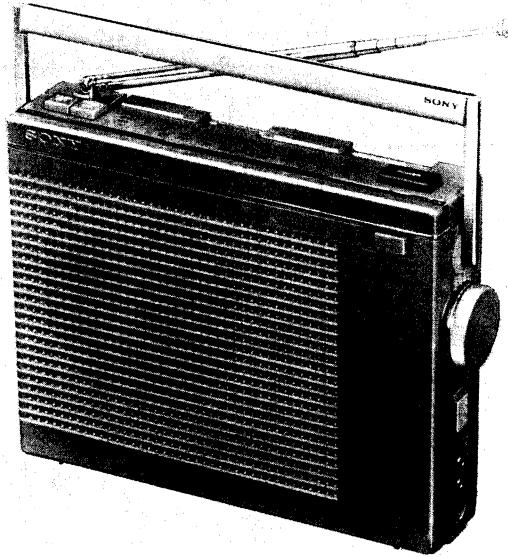


ICF-P2L

*AEP Model
UK Model*



FM/SW/MW/LW 4-BAND RECEIVER

SPECIFICATIONS

Power Requirements:	3 V dc, two batteries size "D" (IEC designation R20) 240 V ac, 50 Hz with optional Sony AC Power Adaptor AC-35 (UK model) 220 V ac, 50 Hz with optional Sony AC Power Adaptor AC-35 (AEP model) 12 V car battery with optional Sony Car Battery Cord DCC-127A	Power Output:	220 mW (at 10 % harmonic distortion) with POWER SAVE switch OFF 80 mW (at 10 % harmonic distortion) with POWER SAVE switch ON
Antennas:	FM/SW: Telescopic antenna MW/LW: Built-in ferrite-rod antenna	Output:	Earphone jack (minijack) Multiplex output jack (minijack)
Frequency Range:	FM: 87.5–108 MHz SW: 5.9–18 MHz (51–17 m) MW: 530–1,605 kHz (566–187 m) LW: 150–285 kHz (2,000–1,053 m)	Speaker:	Approx. 10 cm (4 inches) dia.
		Dimensions:	Approx. 200 (w) x 160 (h) x 46 (d) mm 7 ⁷ / ₈ (w) x 6 ³ / ₄ (h) x 1 ³ / ₄ (d) inches including projecting parts and controls not including handle
		Weight:	Approx. 1.3 kg (2 lb 14 oz) including batteries

SONY®
SERVICE MANUAL

SECTION 1

OUTLINE

1-1. CIRCUIT DESCRIPTION

TIMER Switch (See Fig. 1)

This unit is equipped with a timer function in which pressing the TIMER SET switch while the POWER switch is off, the receiver turns on and after about one hour it is off automatically. The operation of this circuit is described below.

• When the POWER Switch is ON

The receiver operates since the ground circuit of the receiver is connected to the minus side of batteries through S1-1.

• When the POWER Switch is OFF

When the POWER switch is turned from ON to OFF, since the switches have been designed to short all three terminals momentarily, the capacitor C46 is discharged through C46 → S1-2 → S1-1 for a short period until the switch S1 is in the OFF position completely.

After C46 is discharged, the gate G of PUT* becomes 0 V and the PUT is turned on. This removes the bias voltage of Q11, turning Q11 and Q10 off. Therefore, the receiver does not operate.

Next, when the TIMER SET switch S5 is turned on, the B+ voltage is applied to the gate G of PUT through R44 and S5, reverse-biasing the PUT, so that the PUT is turned off. Consequently, Q11 and Q10 conduct and the receiver operates. At the same time, because of turning S5 on, C46 is charged through R44 → S5 → S1-2 → C46.

When S5 is turned off, the charge in C46 is discharged through R45 and the gate voltage of PUT starts decreasing with a time constant determined

by C46 and R45. When this voltage falls below a certain value, the PUT conducts, turning off Q11 and Q10 where upon the receiver stops operating.

The time setting of the timer has been adjusted to about one hour by selecting the values of C46 and R45. To inactivate the timer while using, it is sufficient to press the TIMER OFF switch S6 which forcibly discharges C46.

* Programmable Unijunction Transistor (PUT)

The PUT is a switching element made up of an NPN and a PNP transistor on the same silicon wafer. (See Fig. 2)

Stable ON and OFF states can be obtained in this device depending on the bias between A and K and the switching can be controlled either by an external resistor connected to or a voltage applied to the gate G. This is actually a reverse blocking triode N-Gate thyristor. (The A-K junction is turned on, when the voltage of G becomes 0.3 – 0.4 V less than that of A).

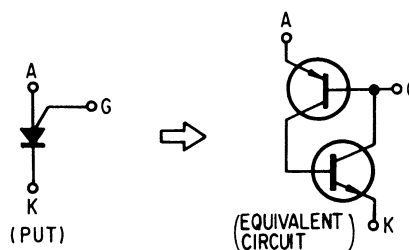


Fig. 2

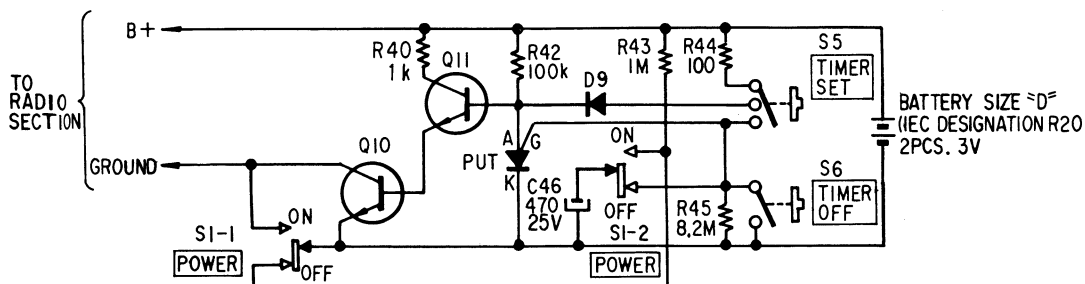


Fig. 1

POWER SAVE Switch (See Fig. 3)

This unit is provided with the POWER SAVE switch which conserves the battery duration.

When the switch is kept ON, the power saving circuit comes into operation conserving the battery duration by 1.6 times compared to when the switch is OFF at the same listening level.

The battery life when using the SONY dry batteries Super SUM-1S are

POWER SAVE switch OFF: about 85 hours

POWER SAVE switch ON: about 140 hours

The operation of the POWER SAVE switch is described below.

- S3-1

The secondary side tap of the output transformer T2 is changed to about 1/3 of the normal value. The load impedance of the output stage is in-

creased by about nine times ($=3^2$), thereby improving the efficiency. Thus the current drain at the same output is decreased.

- S3-2

1) Since the maximum output of the power amplifier (Q8, 9) becomes lower, the output of the driving amplifier also can be decreased.

2) Since the load impedance becomes higher by turning ON S3-1, the crossover distortion will be less. Accordingly, the idling current drain can be decreased to that extent.

3) Because the load impedance increases, the overall gain of the amplifier increases, increasing the negative feedback as well as making it less stable. For this reason, the emitter resistance value is increased to reduce the overall gain.

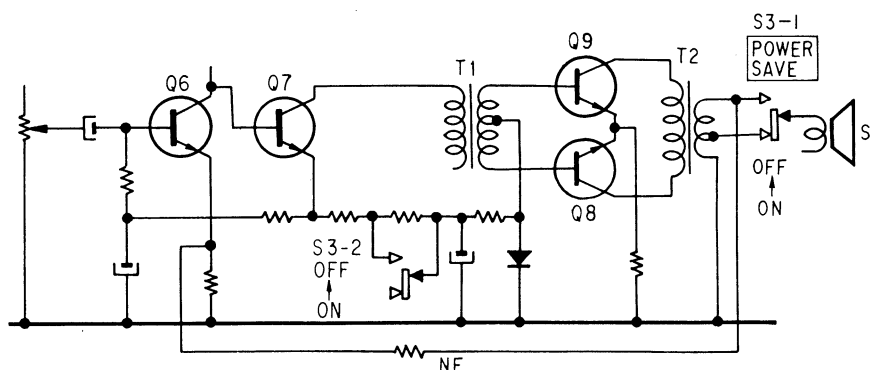
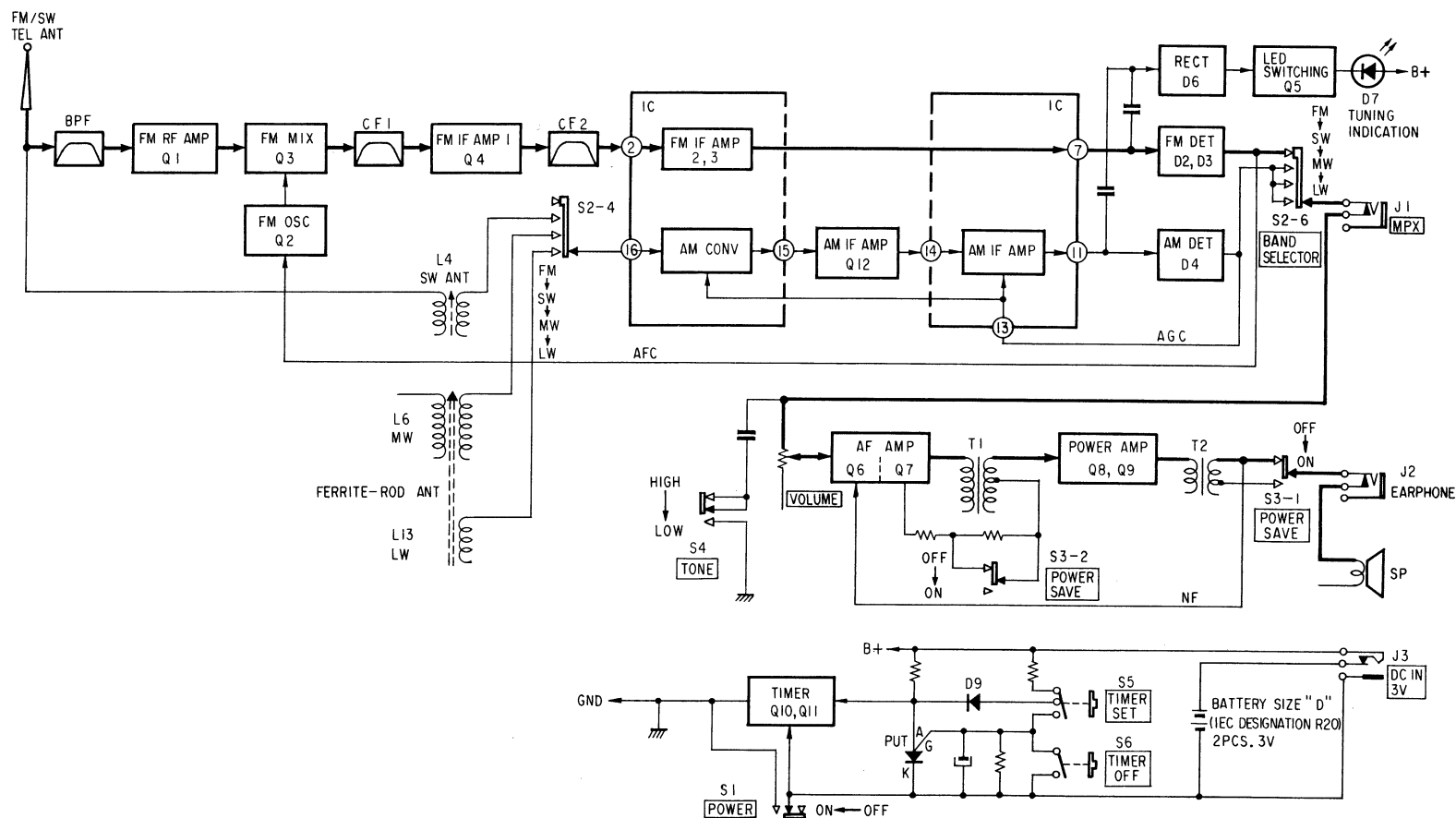


Fig. 3

1-2. BLOCK DIAGRAM

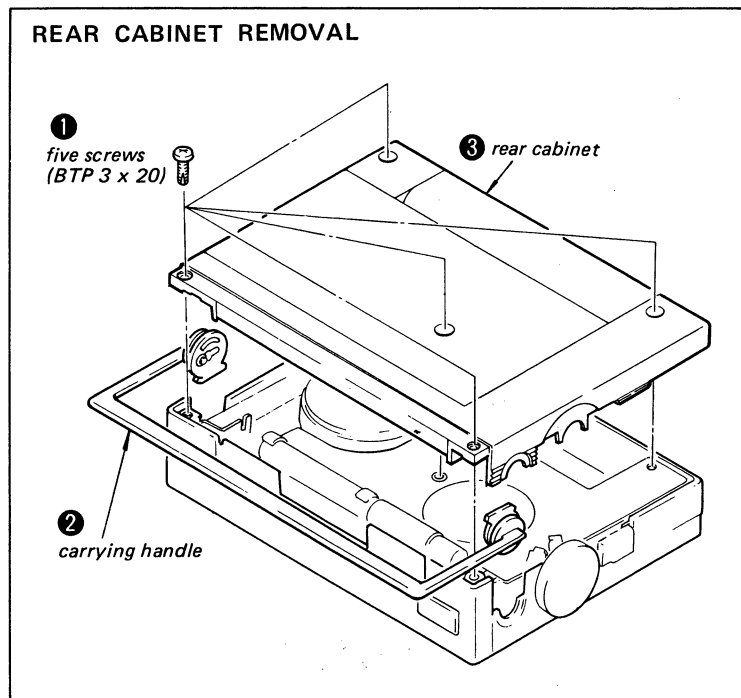


SECTION 2

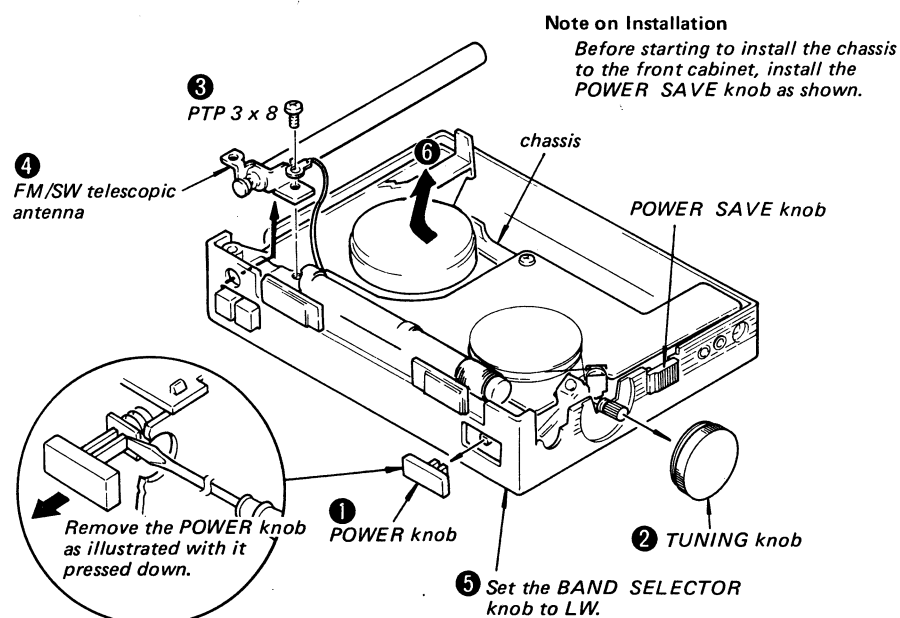
DISASSEMBLY

2.1. REMOVAL

- Follow the disassembly procedure in the numerical order given.



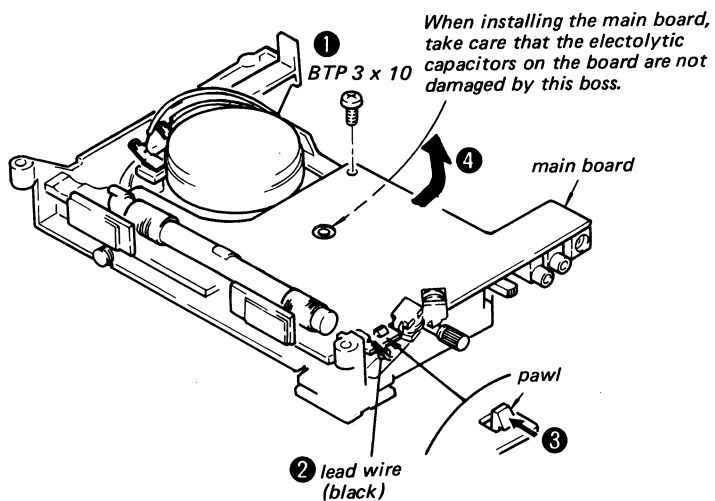
CHASSIS REMOVAL



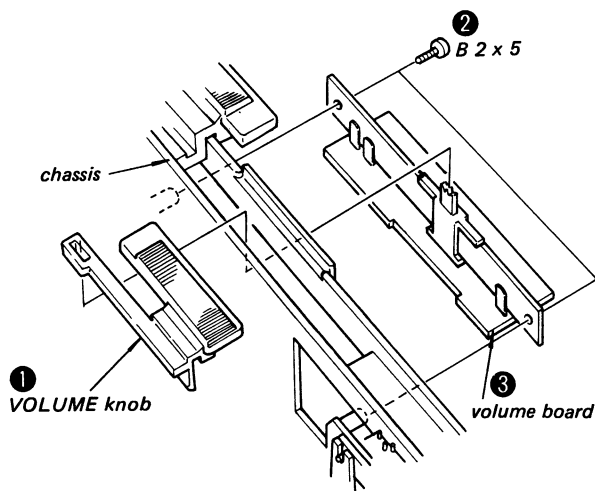
Remove the Dial Cord.

Referring to the next page, perform the procedures in the reversed order.

MAIN BOARD REMOVAL

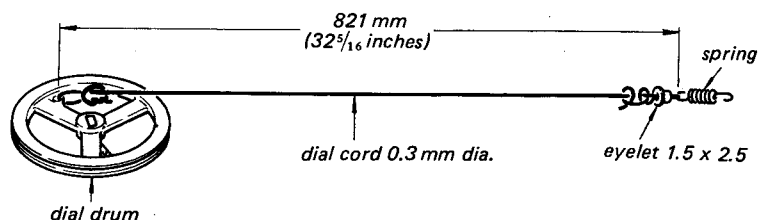


VOLUME BOARD REMOVAL



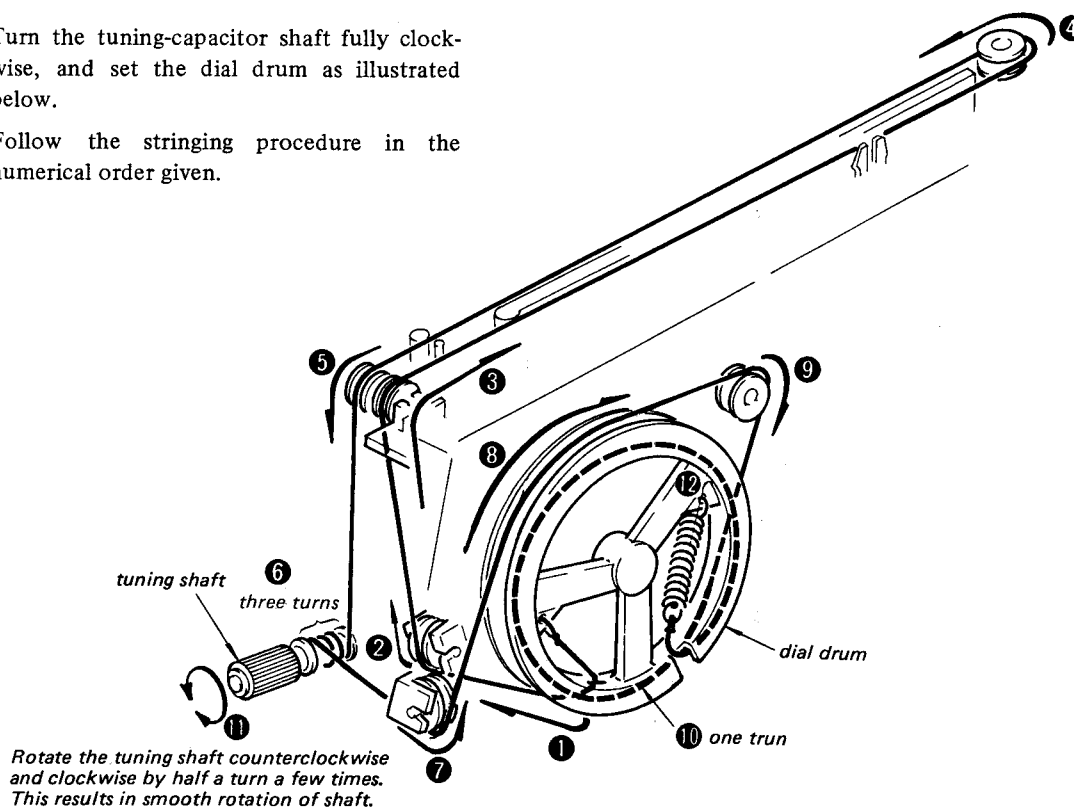
2.2. DIAL CORD STRINGING

1. Preparation



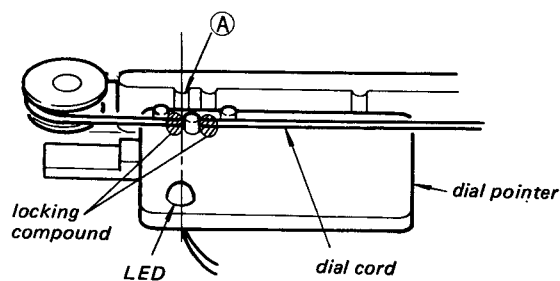
2. Stringing

- 1) Turn the tuning-capacitor shaft fully clockwise, and set the dial drum as illustrated below.
- 2) Follow the stringing procedure in the numerical order given.



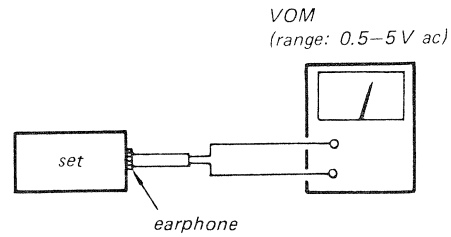
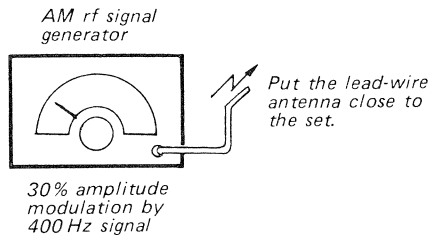
3. Dial Pointer Installation

Turn the tuning shaft fully counterclockwise, place the LED and the portion "A" in a line and apply suitable locking compound to the dial cord as shown.



SECTION 3 ADJUSTMENTS

3-1. MW/LW SECTION

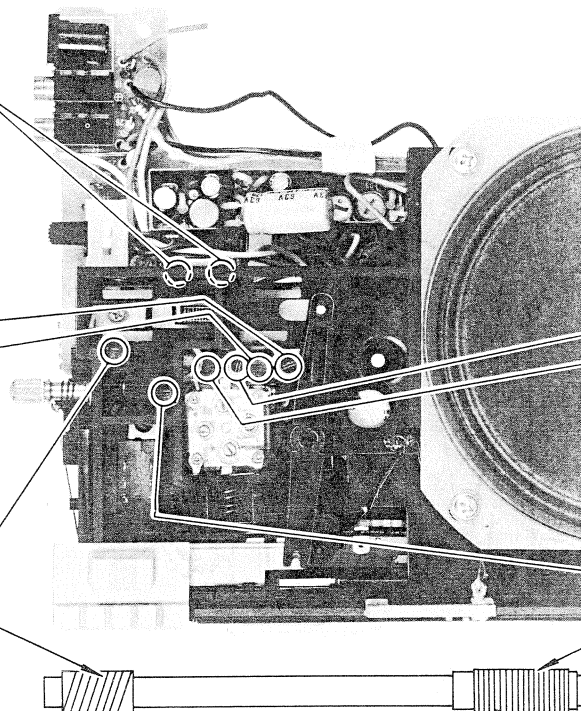


- Repeat the procedures in each adjustment several times, and the frequency coverage and tracking adjustments should be finally done by the trimmer capacitors.

AM IF ALIGNMENT	
Adjust for a maximum reading on VOM.	
468 kHz	IFT1

LW FREQUENCY COVERAGE ADJUSTMENT	
Adjust for a maximum reading on VOM.	
145 kHz	L11
300 kHz	CT5

LW TRACKING ADJUSTMENT	
Adjust for a maximum reading on VOM.	
260 kHz	CT7
170 kHz	L13

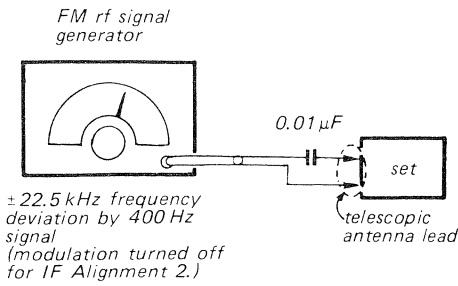


MW FREQUENCY COVERAGE ADJUSTMENT	
Adjust for a maximum reading on VOM.	
L7	520 kHz
CT6	1,680 kHz

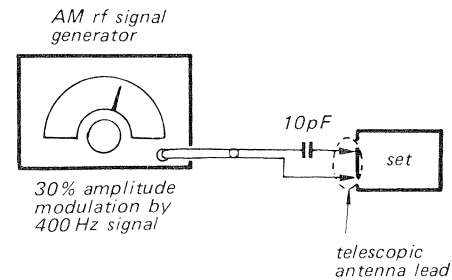
MW TRACKING ADJUSTMENT	
Adjust for a maximum reading on VOM.	
CT8	1,400 kHz
L6	620 kHz

3-2. FM/SW SECTION

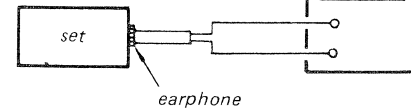
— FM —



— SW —



VOM ①
(range: 0.5–5 V ac)



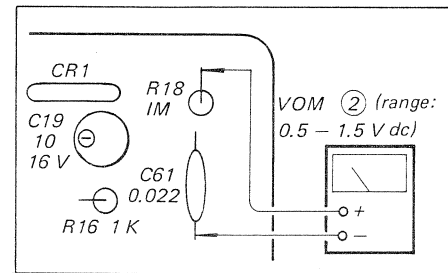
- Repeat the procedures in each adjustment several times, and the frequency coverage and tracking adjustments should be finally done by the trimmer capacitors.

FM IF ALIGNMENT 1	
Adjust for a maximum reading on VOM ①.	
10.7 MHz with modulation	IFT3
	IFT2

FM IF ALIGNMENT 2	
Adjust for 0 V reading on VOM ②.	
10.7 MHz with no modulation	IFT3

SW FREQUENCY COVERAGE ADJUSTMENT	
Adjust for a maximum reading on VOM ①.	
18.4 MHz	CT1
5.8 MHz	L5

SW TRACKING ADJUSTMENT	
Adjust for a maximum reading on VOM ①.	
18.4 MHz	CT2
5.8 MHz	L4



FM FREQUENCY COVERAGE ADJUSTMENT

Adjust for a maximum reading on VOM ①.

CT3	109.5 MHz (108.5 MHz)
L3	86.5 MHz (87.1 MHz)

() : in West Germany

FM TRACKING ADJUSTMENT

Adjust for a maximum reading on VOM ①.

L2	86.5 MHz (87.1 MHz)
CT4	109.5 MHz (108.5 MHz)

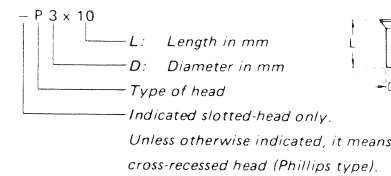
() : in West Germany

1/4 WATT CARBON RESISTORS ① Note: Circled letter ① is applicable to European models only.

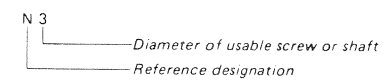
Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.
1.0	1-246-401-00	10	1-246-425-00	100	1-246-449-00	1.0k	1-246-473-00	10k	1-246-497-00	100k	1-246-521-00
1.1	1-246-402-00	11	1-246-426-00	110	1-246-450-00	1.1k	1-246-474-00	11k	1-246-498-00	110k	1-246-522-00
1.2	1-246-403-00	12	1-246-427-00	120	1-246-451-00	1.2k	1-246-475-00	12k	1-246-499-00	120k	1-246-523-00
1.3	1-246-404-00	13	1-246-428-00	130	1-246-452-00	1.3k	1-246-476-00	13k	1-246-500-00	130k	1-246-524-00
1.5	1-246-405-00	15	1-246-429-00	150	1-246-453-00	1.5k	1-246-477-00	15k	1-246-501-00	150k	1-246-525-00
1.6	1-246-406-00	16	1-246-430-00	160	1-246-454-00	1.6k	1-246-478-00	16k	1-246-502-00	160k	1-246-526-00
1.8	1-246-407-00	18	1-246-431-00	180	1-246-455-00	1.8k	1-246-479-00	18k	1-246-503-00	180k	1-246-527-00
2.0	1-246-408-00	20	1-246-432-00	200	1-246-456-00	2.0k	1-246-480-00	20k	1-246-504-00	200k	1-246-528-00
2.2	1-246-409-00	22	1-246-433-00	220	1-246-457-00	2.2k	1-246-481-00	22k	1-246-505-00	220k	1-246-529-00
2.4	1-246-410-00	24	1-246-434-00	240	1-246-458-00	2.4k	1-246-482-00	24k	1-246-506-00	240k	1-246-530-00
2.7	1-246-411-00	27	1-246-435-00	270	1-246-459-00	2.7k	1-246-483-00	27k	1-246-507-00	270k	1-246-531-00
3.0	1-246-412-00	30	1-246-436-00	300	1-246-460-00	3.0k	1-246-484-00	30k	1-246-508-00	300k	1-246-532-00
3.3	1-246-413-00	33	1-246-437-00	330	1-246-461-00	3.3k	1-246-485-00	33k	1-246-509-00	330k	1-246-533-00
3.6	1-246-414-00	36	1-246-438-00	360	1-246-462-00	3.6k	1-246-486-00	36k	1-246-510-00	360k	1-246-534-00
3.9	1-246-415-00	39	1-246-439-00	390	1-246-463-00	3.9k	1-246-487-00	39k	1-246-511-00	390k	1-246-535-00
4.3	1-246-416-00	43	1-246-440-00	430	1-246-464-00	4.3k	1-246-488-00	43k	1-246-512-00	430k	1-246-536-00
4.7	1-246-417-00	47	1-246-441-00	470	1-246-465-00	4.7k	1-246-489-00	47k	1-246-513-00	470k	1-246-537-00
5.1	1-246-418-00	51	1-246-442-00	510	1-246-466-00	5.1k	1-246-490-00	51k	1-246-514-00	510k	1-246-538-00
5.6	1-246-419-00	56	1-246-443-00	560	1-246-467-00	5.6k	1-246-491-00	56k	1-246-515-00	560k	1-246-539-00
6.2	1-246-420-00	62	1-246-444-00	620	1-246-468-00	6.2k	1-246-492-00	62k	1-246-516-00	620k	1-246-540-00
6.8	1-246-421-00	68	1-246-445-00	680	1-246-469-00	6.8k	1-246-493-00	68k	1-246-517-00	680k	1-246-541-00
7.5	1-246-422-00	75	1-246-446-00	750	1-246-470-00	7.5k	1-246-494-00	75k	1-246-518-00	750k	1-246-542-00
8.2	1-246-423-00	82	1-246-447-00	820	1-246-471-00	8.2k	1-246-495-00	82k	1-246-519-00	820k	1-246-543-00
9.1	1-246-424-00	91	1-246-448-00	910	1-246-472-00	9.1k	1-246-496-00	91k	1-246-520-00	910k	1-246-544-00

HARDWARE NOMENCLATURE

Screw:



Nut, Washer, Retaining ring:



Reference Designation	Shape	Description	Remarks
SCREWS			
P		pan-head screw	binding-head (B) screw for replacement
PWH		pan-head screw with washer face	binding-head (B) screw and flat washer for replacement
PS PSP		pan-head screw with spring washer	binding-head (B) screw and spring washer for replacement
PSW PSPW		pan-head screw with spring and flat washers	binding-head (B) screw and spring and flat washers for replacement
R		round-head screw	binding-head (B) screw for replacement
K		flat-countersunk-head screw	
RK		oval-countersunk-head screw	
B		binding-head screw	
T		truss-head screw	binding-head (B) screw for replacement
F		flat-filler-head screw	
RF		fillister-head screw	
BV		brazer-head screw	

Reference Designation	Shape	Description	Remarks
SELF-TAPPING SCREWS			
TA		self-tapping screw	ex: TA, P 3 x 10
PTP		pan-head self-tapping screw	binding-head self-tapping (TA, B) screw for replacement
PTPWH		pan-head self-tapping screw with washer face	binding-head self-tapping (TA, B) screw and flat washer for replacement
PTTWH		pan-head thread-rolling screw with washer face	binding-head (B) screw and flat washer for replacement
SET SCREWS			
SC		set screw	
SC		hexagon-socket set screw	ex: SC 2.6 x 4, hexagon socket
NUT			
N		nut	
WASHERS			
W		flat washer	
SW		spring washer	
LW		internal-tooth lock washer	ex: LW3, internal
LW		external-tooth lock washer	ex: LW3, external
RETAINING RINGS			
E		retaining ring	
G		grip-type retaining ring	

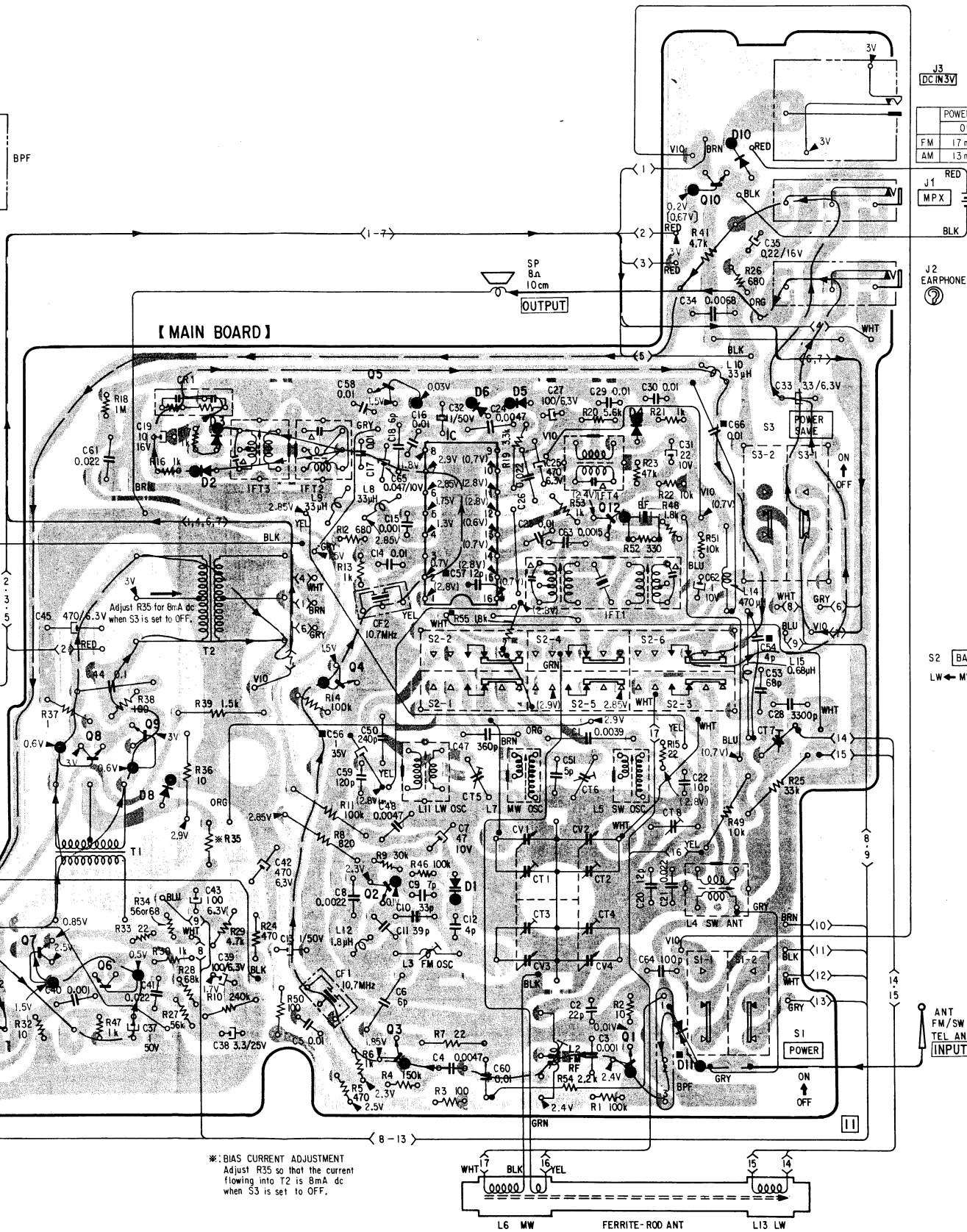
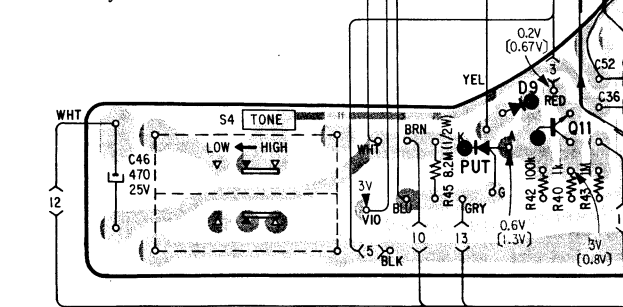
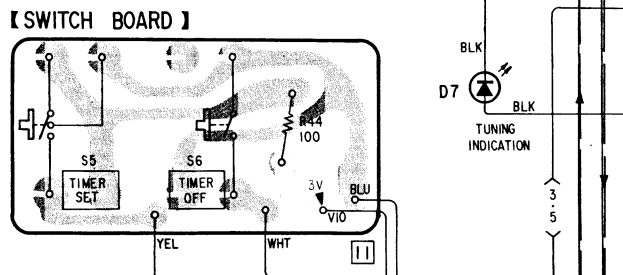
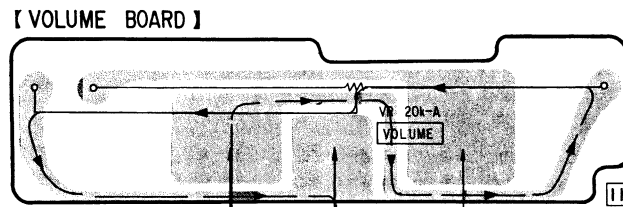
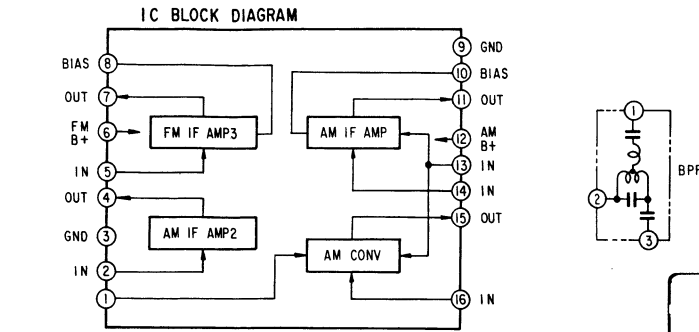
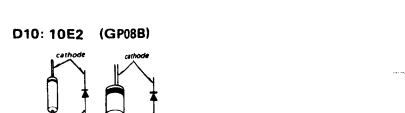
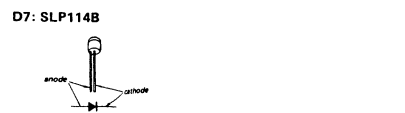
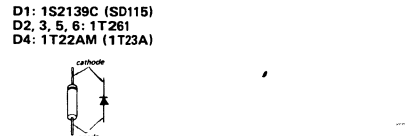
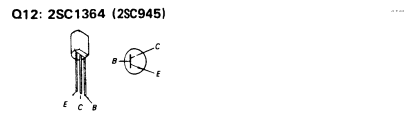
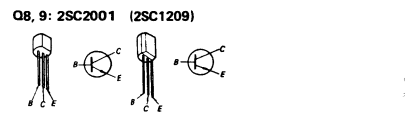
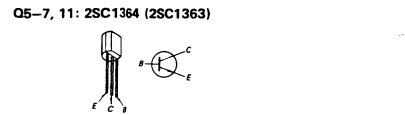
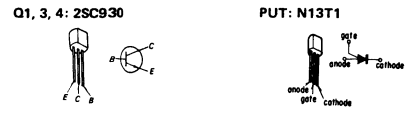
SECTION 4

DIAGRAMS

4-1. MOUNTING DIAGRAM

- **Replacement Semiconductors**

For replacement, use semiconductors except in ().



J3 DC IN 3V	
	POWER SAVE SWITCH (S3)
	ON OFF
FM	17 mA 21 mA
AM	13 mA 16.5 mA

J1
MPX
RED
BATT
BATTERY SIZE "D"
(IEC DESIGNATION R20)
2PCS. 3V
BLK

S2 BAND SELECTOR
LW ← MW ← SW ← FM

Q, IC	D
10	10
5	5
IC	3
12	2
4	
9	
8	7
	8
2	1
7	
6	9
11	
PUT	11
3	1
Q, IC	D

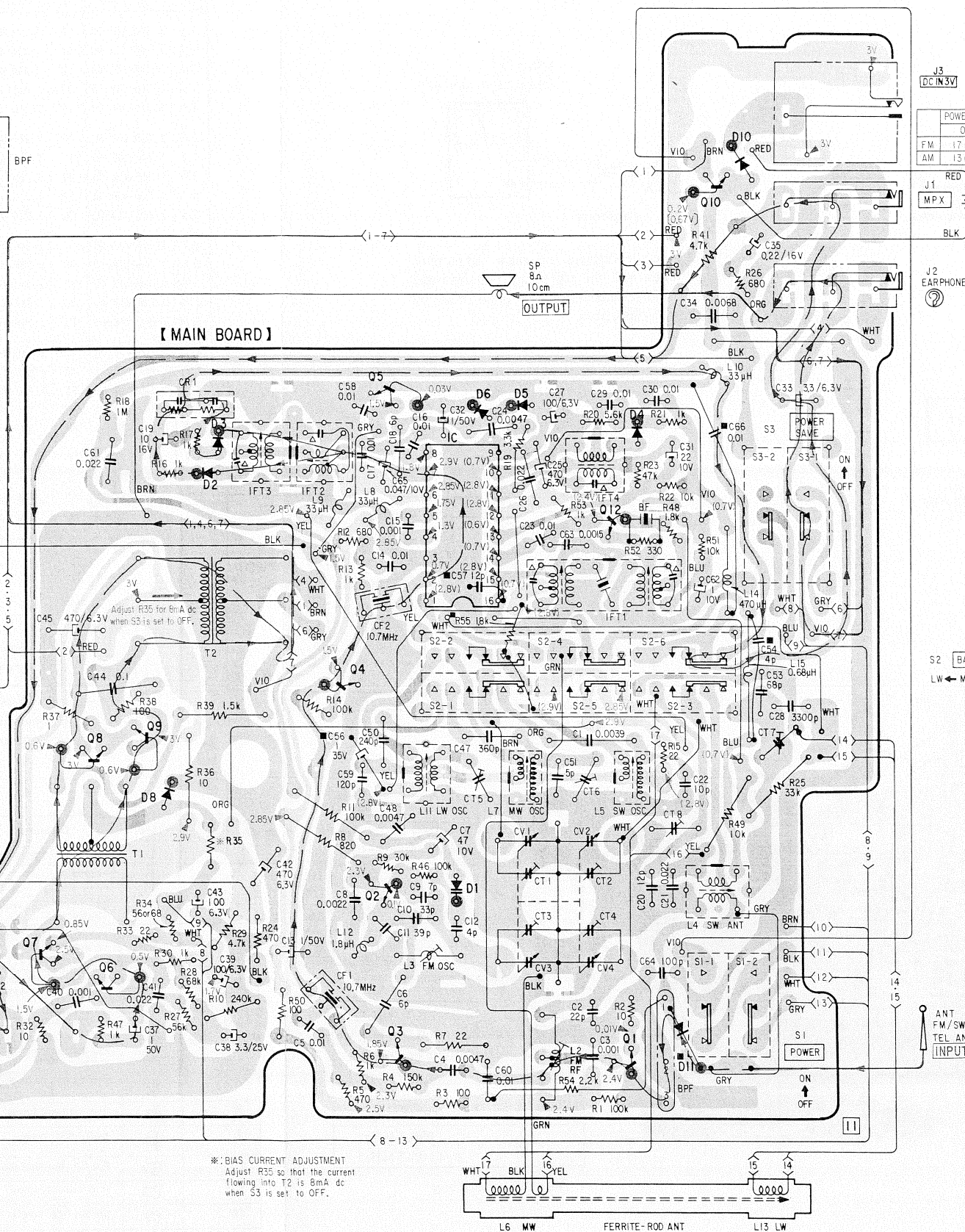
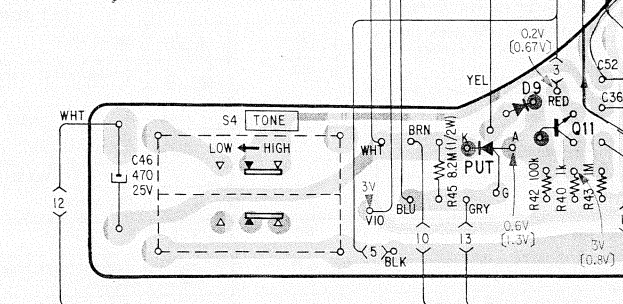
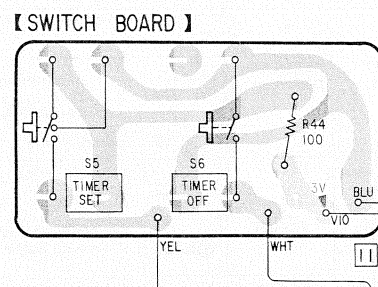
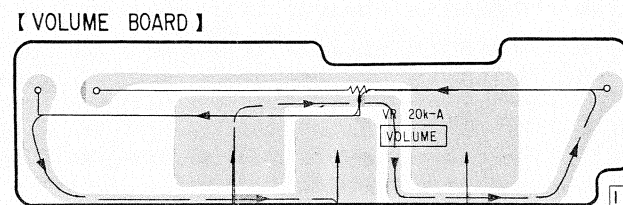
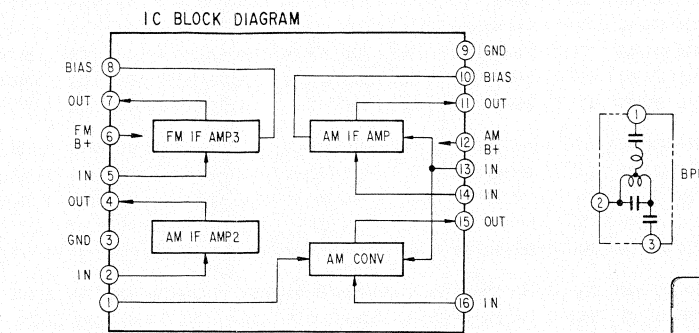
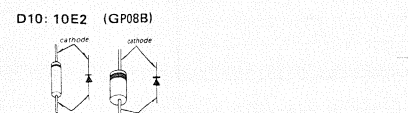
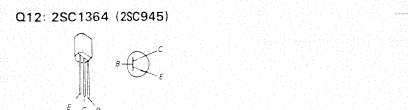
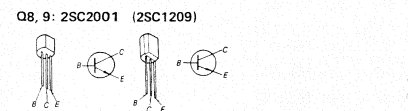
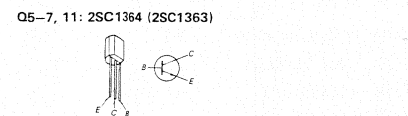
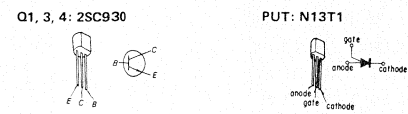
SECTION 4

DIAGRAMS

4-1. MOUNTING DIAGRAM

- **Replacement Semiconductors**

For replacement, use semiconductors except in ().



J3
DC IN 3V

	POWER SAVE SWITCH (S3)	
	ON	OFF
FM	17 mA	21 mA
AM	13 mA	16.5 mA

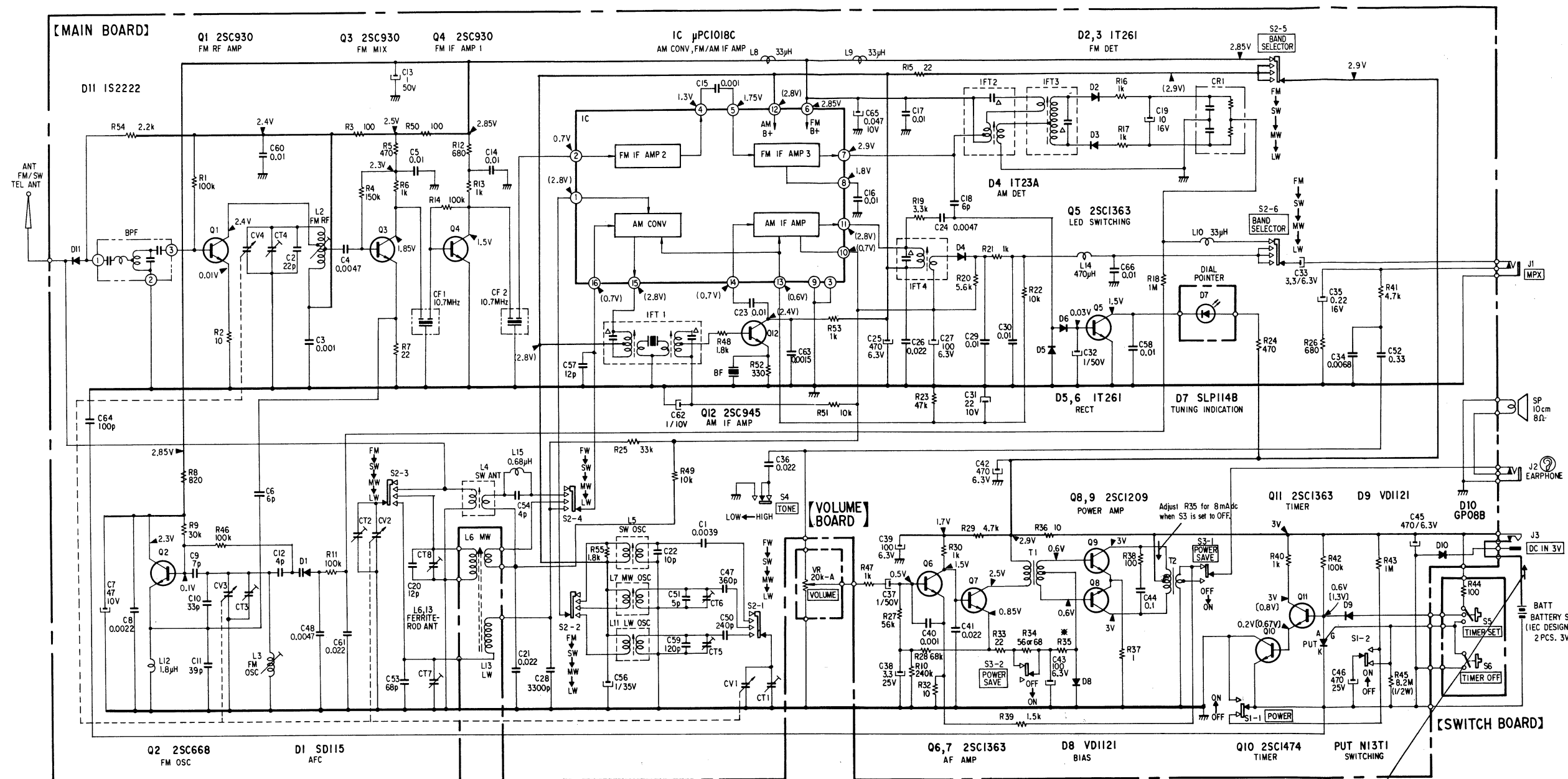
J1
MPX

BATT
BATTERY SIZE "D"
(IEC DESIGNATION R20)
2PCS. 3V

S2 BAND SELECTOR
LW ← MW ← SW ← FM

Q, IC	D
10	10
5	6 ⁵
IC	3 ⁴
12	2
4	
9	7
8	8
2	1
7	
6	9
11	
PUT	11
3	
1	
Q, IC	D

4.2. SCHEMATIC DIAGRAM



* : BIAS CURRENT ADJUSTMENT
Adjust R35 so that the current flowing into T2 is 8 mA dc when S3 is set to OFF.

POWER SAVE SWITCH(S3)	
ON	OFF
FM	17 mA
AM	13 mA

Note: — For Mounting Diagram —

- : parts extracted from the component side.
- : parts extracted from the conductor side.
- : part mounted on the conductor side.
- [] : indicates side identified with part number.
- : B+ pattern
- : signal path

Note: — For Schematic Diagram —

- All capacitors are in μF unless otherwise noted. $\text{pF} : \mu\text{F}$ 50 WV or less are not indicated except for electrolytics.
- All resistors are in ohms, $\frac{1}{4}\text{W}$ unless otherwise noted. $\text{k}\Omega : 1000 \Omega$, $\text{M}\Omega : 1000 \text{k}\Omega$
- Δ : internal component.
- : B+ bus.
- : panel designation.
- Voltages are dc with respect to ground unless otherwise noted.

- Readings are taken under no signal (detuned) conditions with a VOM (20 $\text{k}\Omega/\text{V}$).
- () : AM
- [] : When the set operates with the TIMER SET switch turned on:
- no mark: FM or common
- Voltage variations may be noted due to normal production tolerances.

• Switch

Ref. No.	Switch	Position
S1-1, 2	POWER	OFF
S2-1 to 6	BAND SELECTOR	FM
S3-1, 2	POWER SAVE	OFF
S4	TONE	HIGH
S5	TIMER SET	OFF
S6	TIMER OFF	OFF

SECTION 5



Note:

- Circled letters (A to Z) are applicable to European models only.

All screws are Phillips unless otherwise noted.
(—) = slotted head

- All screws are Phillips (cross recess) type unless otherwise noted.
(—) = slotted head

SECTION 6

- Circled letters (**A** to **Z**) are applicable to European models only.

<i>Ref. No.</i>	<i>Part No.</i>	<i>Description</i>
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SEMICONDUCTORS

Transistors

Q1	8-729-803-04	(B)	2SC930
Q2	8-729-866-83	(B)	2SC668
Q3, 4	8-729-803-04	(B)	2SC930
⇒Q5-7	8-729-663-47	(C)	2SC1364
⇒Q8, 9	8-729-100-13	(B)	2SC2001

Q10 8-760-335-10 (B) 2SC1474
 ⇒Q11, 12 8-729-663-47 (C) 2SC1364

IC

IC 8-759-110-18 (E) μ PC1018C

Diodes

⇒ D1	8-719-713-93	(B)	1S2139C
D2, 3	8-719-026-11	(A)	1T261
⇒ D4	8-719-422-21	(B)	1T22AM
D5, 6	8-719-026-11	(A)	1T261
D7	8-719-991-14	(B)	SLP114B

VD8, 9	8-719-112-11	(A)	VD1121
⇒ D10	8-719-200-02	(B)	10E2
D11	8-719-100-02	(B)	1S2222
PUT	8-729-101-31	(B)	N13T1

COILS

L3	1-405-738-00	(B)	FM OSC
L4	1-401-762-00	(B)	SW ANT
L5	1-405-843-00	(B)	SW OSC
L6, 13	1-401-763-00	(D)	Antenna, MW/LW ferrite-rod
L7	1-405-844-00	(B)	MW OSC

L8-10	1-407-163-XX	(A) 33 μ H, microinductor
L11	1-405-842-00	(B) LW OSC
L12	1-407-181-XX	(A) 1.8 μ H, microinductor
L14	1-407-177-XX	(A) 470 μ H, microinductor
L15	1-408-030-11	(A) 0.68 μ H, microinductor

⇒: Due to standardization, interchangeable replacements may be substituted for parts specified in the diagrams.

<i>Ref. No.</i>	<i>Part No.</i>	<i>Description</i>
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TRANSFORMERS

IFT1	1-403-828-00	(D) AM IFT
IFT2	1-404-144-00	(B) FM Discriminator
IFT3	1-403-953-00	(B) FM Discriminator
IFT4	1-404-100-00	(B) AM IFT
T1	1-423-159-XX	(D) Driver
T2	1-427-439-00	(D) Output

CAPACITORS

All capacitors are in μF and ceramic unless otherwise noted.
50 WV or less are not indicated except for electrolytics.
p : μF , elect : electrolytic

C1	1-161-180-00	(A) 0.0039			semiconductor ceramic
C2	1-102-959-00	(A) 22 p			
C3	1-102-074-00	(A) 0.001			
C4	1-101-922-00	(A) 0.0047			
C5	1-161-032-00	(A) 0.01			semiconductor ceramic
C6	1-102-808-00	(A) 6 p			
C7	1-121-352-00	(A) 47	10 V		elect
C8	1-102-121-00	(A) 0.0022			
C9	1-102-944-00	(A) 7 p			
C10	1-102-724-00	(A) 33 p			
C11	1-102-726-00	(A) 39 p			
C12	1-102-937-00	(A) 4 p			
C13	1-121-391-00	(A) 1	50 V		elect
C14	1-161-032-00	(A) 0.01			semiconductor ceramic
C15	1-102-074-00	(A) 0.001			
C16, 17	1-161-032-00	(A) 0.01			semiconductor ceramic
C18	1-102-943-00	(A) 6 p			
C19	1-121-651-00	(A) 10	16 V		elect
C20	1-102-945-00	(A) 8 p			
C21	1-161-034-00	(A) 0.022			semiconductor ceramic
C22	1-102-285-00	(A) 10 p			

- Circled letters (**A** to **Z**) are applicable to European models only.

<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	
C23	1-161-032-00 A 0.01	semiconductor ceramic	
C24	1-161-030-00 A 0.0047	semiconductor ceramic	
C25	1-121-424-00 B 470	6.3 V elect	
C26	1-161-034-00 A 0.022	semiconductor ceramic	
C27	1-123-295-00 A 100	6.3 V elect	
C28	1-161-029-00 A 3300 p	semiconductor ceramic	
C29, 30	1-161-032-00 A 0.01	semiconductor ceramic	
C31	1-121-479-00 A 22	16 V elect	
C32	1-121-391-00 A 1	50 V elect	
C33	1-131-422-00 B 3.3	6.3 V tantalum	
C34	1-161-031-00 A 0.0068	semiconductor ceramic	
C35	1-131-453-00 A 0.22	16 V tantalum	
C36	1-161-034-00 A 0.022	semiconductor ceramic	
C37	1-121-391-00 A 1	50 V elect	
C38	1-121-392-00 A 3.3	25 V elect	
C39	1-123-295-00 A 100	6.3 V elect	
C40	1-102-074-00 A 0.001		
C41	1-161-034-00 A 0.022	semiconductor ceramic	
C42	1-121-424-00 B 470	6.3 V elect	
C43	1-123-295-00 A 100	6.3 V elect	
C44	1-161-025-00 A 0.1	semiconductor ceramic	
C45	1-121-424-00 B 470	6.3 V elect	
C46	1-123-394-00 B 470	25 V elect	
C48	1-161-030-00 A 0.0047	semiconductor ceramic	
C51	1-102-998-00 A 5 p		
C52	1-161-035-00 A 0.033	semiconductor ceramic	
C53	1-101-888-00 A 68 p		
C54	1-102-937-00 A 4 p		
C56	1-131-347-00 B 1	16 V tantalum	
C57	1-102-949-00 A 12 p		
C58	1-161-032-00 A 0.01	semiconductor ceramic	
C59	1-107-262-00 B 120 p	silvered mica	

<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	
C60	1-161-032-00 A 0.01	semiconductor ceramic	
C61	1-101-924-00 A 0.022		
C62	1-131-347-00 B 1	16 V tantalum	
C63	1-102-119-00 A 0.0015		
C64	1-102-973-00 A 100 p		
C65	1-131-400-00 B 0.047	16 V tantalum	
C66	1-161-032-00 A 0.01	semiconductor ceramic	
CT1-4 CV1-4	1-151-355-00 F Tuning		
CT5-8	1-141-203-00 B Trimmer		

RESISTORS

All resistors are in ohms. Common ¼ W carbon resistors are omitted. Refer to the list on page 10 for their part numbers.

R45	1-202-667-00 B 8.2 M	½ W composition
VR	1-226-402-00 B 20 k-A, variable;	VOLUME

SWITCHES

S1	1-552-379-00 B Pushbutton, POWER
S2	1-513-281-00 C Slide, BAND SELECTOR
S3, 4	1-552-334-00 B Slide, POWER SAVE, TONE
S5, 6	1-552-174-00 B Pushbutton, TIMER SET, TIMER OFF

MISCELLANEOUS

ANT	1-501-182-00 G Antenna, FM/SW telescopic
BF	1-403-997-00 B Ceramic Filter
BPF	1-231-417-00 B Band-pass Filter
CF1, 2	1-527-184-XX B Ceramic Filter, 10.7 MHz
CR1	1-231-202-00 A Encapsulated Component
J1, 2	1-507-398-00 A Jack, MPX, earphone
J3	1-507-459-00 B Jack, DC IN 3 V
SP	1-502-717-00 C Speaker

ACCESSORIES & PACKING MATERIALS

<u>Part No.</u>	<u>Description</u>
1-504-059-11	C Earphone, ME-20H
3-880-122-00	B Bag, protection
3-884-943-00	B Cushion, right
3-884-944-00	B Cushion, left
3-884-957-00	A Spacer
3-884-959-00	C Carton
3-995-812-11	B Manual, instruction